

KEDIY EXTREME

Single-component cement adhesive, with a high polymer content, prolonged open time, grey or white in colour, for professional use. Ideal for laying ceramic and porcelain tiles, natural stones, mosaics of all types, overlapping, in swimming pools, on heating screeds and in areas subject to heavy traffic. Particularly suitable for fixing large-sized tiles. Classified as a C2E S1 adhesive (according to EN 12004 and EN 12002).

APPLICATION FIELDS

- Laying of ceramics of all types, absorbent and non-absorbent, of stone material, provided it is moisture-stable, of mosaics of all types, indoors and outdoors, on walls and floors, in large sizes.
- Overlapped laying on existing old floors, in swimming pools, on heating screeds and in places subject to heavy traffic.
- Laying of insulating panels in polystyrene, expanded polyurethane, rockwool or glass and cork. Suitable for applications on all types of cement substrate, cement-lime mortar, old ceramic floors and waterproofing with the **KEDILASTIC** and **ISOLFLEX** line.
- Applications on gypsum, plasterboard, "Scagliola" plaster or anhydrite screeds after treating the surfaces with **APPREX G** at least 6 hours before laying.

NATURE OF PRODUCT

KEDIY EXTREME is mainly composed of mixes of cement, polymers, mineral fillers and specific additives.

MIX PREPARATION

Mix the powder with clean water until an even and lump-free mix is obtained. Leave to hydrate for 5 minutes, then mix again for a short time. The product is presented as a creamy and thixotropic mix and is easily applied with a spatula.

LAYING OPERATIONS

Apply a levelling coat of **KEDY EXTREME** to the support with the smooth side of a spatula to guarantee its good wetting. Immediately afterwards, use a toothed spatula to apply the necessary quantity to obtain a high level of wetting on the reverse side of the tiles (minimum 75% for indoor residential use, 100% for outdoors or flooring subject to heavy traffic). For particularly time-consuming or large format applications (over 900 cm²), also apply the adhesive to the back of the tile.

IDENTIFICATION DATA

Product data	value	standard
Appearance	powder	
Colour	Grey white	
Apparent density	1.3 Kg/dm ³	
Solid residue	100%	
Conservation (in a dry place and in its original packaging)	12 months	
Customs heading	3824 50 90	

APPLICATION DATA

Product data	Value	
mixing ratio	Grey and white 0.6 litres of water for 25 Kg of powder (26±1%)	
Maturation time	5 min	
Useful application time	6 h	
Open time	30 min.	
Adjustability time	50 min	
Walk on time - sealing to floor	24-36 h	
Covering sealing time	4-6 h	
Application temperatures	From +5c° to +30 c°	
Commissioning time	14 days (21 hours for baths and swimming pools)	

PERFORMANCE

Product data	value	standard
Slipping on vertical wall	0.8 mm	EN 1308
Initial tensile adhesion	2 N/mm ²	EN 1348
Tensile adhesion after heat action	1.9 N/mm ²	EN 1348
Tensile adhesion after immersion in water	1.5 N/mm ²	EN 1348
Adhesion after freezing/defrosting cycles	1.4 N/mm ²	EN 1348

Compression strength	14 N/mm ²	EN 196
Transversal deformation	3.5 mm	EN 12002
Working temperatures	-30 c° +90 c°	

RESULTS OBTAINED IN STANDARD TEMPERATURE CONDITIONS OF 23 C° ±2. RELATIVE HUMIDITY AT 50 % ±5. VENTILATION LESS THAN 2 M/SEC

TECHNICAL ADVICE

- **KEDY EXTREME** is suitable for all the applications described, without requiring other additional binders (cement, lime, gypsum, etc.) or additives.
- Only use the product when it has a plastic consistency. Once bonded, it is difficult to lay and a new mixture is required.
- Protect the covering from rain or run-off for at least 24 hours, or from strong sun and from frost for at least one week.

COVERAGE

spatula	6x6 mm	8x8 mm	10x10 mm	Ø 15 mm
Kedy extreme	3.0 Kg/m ²	4.0 Kg/m ²	5.0 Kg/m ²	7.0 Kg/m ²

SPECIFICATIONS

Laying of floor and wall ceramic tiles or stone material with cement-based high polymer content single-component adhesive, with prolonged open time, compliant with class C2E S1 according to the standards EN 12004 and EN 12002, KEDY EXTREME type by KEDIL, capable of achieving thickness of up to 10 mm.

WARNINGS AND RECOMMENDATIONS

Do not apply directly to metal or vinyl/resilient flooring.

Do not apply in conditions and/or modes other than those explicitly declared in this technical data sheet.

KEDIL

advises you to read the Introductory notes completing the contents of this data sheet.

All technical-applicative advice in the technical data sheets, detailed verbally or in writing, is the result of our best experience.

However, as we are unable to oversee the direct intervention and execution of works on site, this information is considered non-binding and, therefore, not legally or in another way binding in respect of third parties. We therefore advise the customer/applicator to conduct the appropriate tests on our products to assess their reaction under the meteorological and application conditions to which they are subjected.

To ensure this technical data sheet has not been updated and/or replaced with more recent editions, before using our products, you are advised to download the latest version from our website, www.kedil.eu.